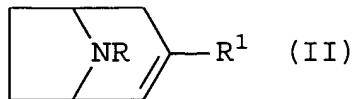


LIST OF CLAIMS

1.-14. (Canceled)

15. (Currently Amended) A 8-azabicyclo[3.2.1]oct-2-ene compound of Formula II,



wherein

R is hydrogen, methyl, ethyl or benzyl; and

R¹ is 3-thienyl, 2-thienyl, 2-(3-methoxymethyl)thienyl, 3-quinolinyl, 3-benzofuryl, 2-benzofuryl, 3-benzothienyl, 2-benzothienyl, 2-benzothiazolyl, 2-thieno[3.2-b]thienyl, thieno[2.3-b]thienyl, 2-(3-bromo)benzofuryl or 2-(3-bromo)benzothienyl or a pharmaceutically acceptable addition salt thereof.

16. (Presently Presented) The 8-azabicyclo[3.2.1]oct-2-ene compound of claim 15 which is

(±)-8-Methyl-3-(3-quinolinyl)-8-azabicyclo[3.2.1]oct-2-ene;

(±)-3-(3-Benzofuryl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;

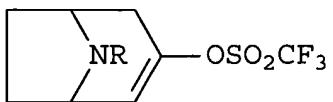
(±)-3-(3-Benzothienyl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;

(±)-3-(2-Benzofuryl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;

(\pm) -3- (2-Benzothienyl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;
(\pm) -3- (2-Benzothiazolyl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;
(\pm) -3- (2-Thieno[3.2-b]thienyl)-8-methyl-8-
azabicyclo[3.2.1]oct-2-ene;
(\pm) -3- (2-Thieno[2.3-b]thienyl)-8-methyl-8-azabicyclo[3.2.1]oct-2-
ene;
(\pm) -3- (2-Benzofuryl)-8-H-8-azabicyclo[3.2.1]oct-2-ene;
(\pm) -3- (2-Benzofuryl)-8-ethyl-8-azabicyclo[3.2.1]oct-2-ene;
(\pm) -3- [2- (3-Bromobenzofuryl)]-8-methyl-8-azabicyclo[3.2.1]oct-
2-ene; or
(\pm) -3- [2- (3-Bromobenzothienyl)]-8-methyl-8-
azabicyclo[3.2.1]oct-2-ene; or a pharmaceutically acceptable
addition salt thereof.

17. (Previously Presented) A pharmaceutical composition,
comprising a therapeutically effective amount of a 8-
azabicyclo[3.2.1]oct-2-ene compound of claim 15, or a pharmaceutically
acceptable addition salt thereof, together with at least one
pharmaceutically acceptable carrier or diluent.

18. (Previously Presented) A method for the preparation of the 8-
azabicyclo[3.2.1]oct-2-ene compound of claim 15, comprising
a) the step of reacting a compound having the formula



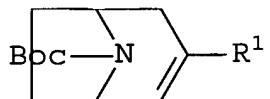
wherein R is as defined in claim 15,

with a compound of formula R¹-X,

wherein R¹ is as defined in claim 15,

and X is halogen, boronic acid, or trialkylstannyly; or

- b) the step of reducing a compound having the formula



wherein R¹ is as defined in claim 15.

19-23. (Canceled)